



SKYDÔME® ROUND/SC (WITHOUT KERB)

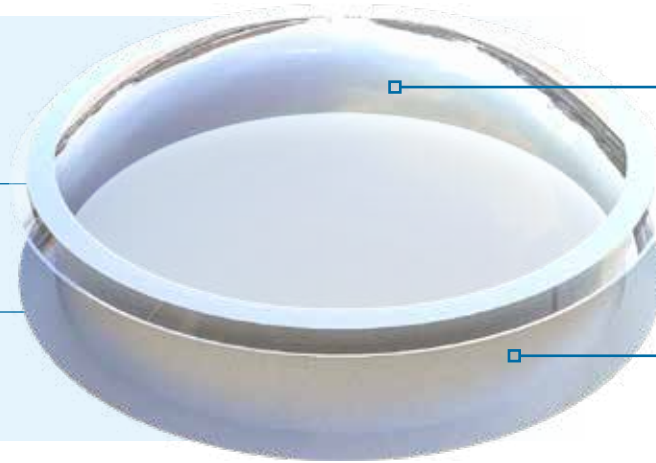
THE ADVANTAGES OF SKYDÔME ROND



Optimised natural lighting



A wide range of architectural solutions



GLAZING

- Dropped edge PMMA double dome



KERB

- Insulated canted kerb
- Polyester RAL 9010
- Height 310 mm

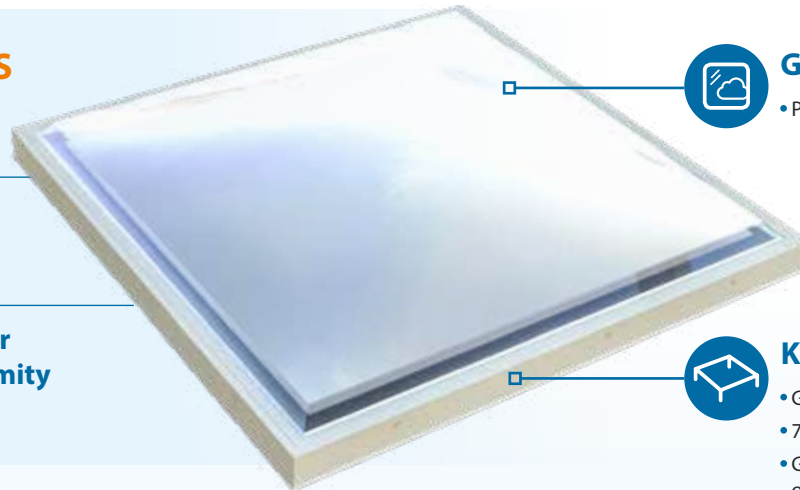
THE ADVANTAGES OF SKYDÔME SC



Optimised natural lighting



Specially designed for renovation or conformity



GLAZING

- PMMA double dome



KERB

- Galvanised steel Z kerb
- 73 mm wide
- Glazing bead frame outside measurements: opening + 163 mm

OPTIONS

SKYDÔME® round

- Dropped edge double dome, 1200 joules
- Solid PC double dome, depending on size
- Transparent dome by request according to size
- Powder-coating on inside (standard RAL colours)
- Steel kerb
- Steel adapter plate with height and heel width by request

SKYDÔME® SC

- Z frame width by request to adapt to the existing substrate
- S,PC glazing optional (not tested, 1200 joules)
- Solid PC double dome, depending on size
- Other: double pyramid-shaped dome, transparent dome, coloured dome

— GEOMETRICAL DIMENSIONS AND PERFORMANCES

SKYDÔME® round				
Opening dimensions inside Ø (cm)	Overall heel dimensions outside Ø (cm)	Height H* (cm)	Lighting surface area (m ²)	Weight (kg)
Ø 50	Ø 70	48	0.19	19
Ø 85	Ø 105	55	0.56	28
Ø 100	Ø 120	56	0.78	30
Ø 120	Ø 140	59	1.13	39
Ø 140	Ø 160	62	1.54	52
Ø 150	Ø 170	64	1.76	56
Ø 160	Ø 180	65	2.01	58
Ø 180	Ø 200	68	2.54	66
Ø 200	Ø 220	73	3.14	69

Please contact us for other sizes. * For a kerb 310 mm high.

SKYDÔME® SC				
Opening dimensions AxB (cm)	Overall heel dimensions CxD (cm)	Height H* (cm)	Lighting surface area (m ²)	Weight (kg) SC with aluminium frame + dome
50 x 50	65 x 65	15	0.25	9.8
85 x 85	100 x 100	22	0.73	15.2
100 x 100	115 x 115	23	1.00	17.6
120 x 120	135 x 135	26	1.44	21.6
140 x 140	155 x 155	29	1.96	33.1
150 x 150	165 x 165	31	2.25	34.8
160 x 160	175 x 175	32	2.56	38.7
180 x 180	195 x 195	35	3.24	45.8
200 x 200	215 x 215	40	4.00	53.2
70 x 100	85 x 115	19	0.70	20
100 x 140	115 x 155	23	1.50	22.4
100 x 200	115 x 215	23	2.00	31.8
140 x 200	155 x 215	23	2.80	41.8

Please contact us for other sizes. * For a kerb 310 mm high.

— GLAZING PERFORMANCES

Other glazing: see "Glazing" technical data sheet

Types of glazing	Heat transfer coefficient Ug (W/m ² .K)		TL D65 ⁽²⁾	FS or g ⁽²⁾	Reaction to fire	R _w R _A =R _w +C R _{A,Tr} =R _w +C _{tr} (dB) ⁽³⁾
	U _{hor} ⁽¹⁾	U _{vert} ⁽¹⁾				
Transparent PMMA single dome	5.3	4.5	92%	ND	E	ND
Opal PMMA single dome	5.3	4.5	83%	ND	E	ND
Transparent solid PC single dome	5.3	4.5	91%	92%	B,s1,d0	ND
Opal solid PC single dome	5.3	4.5	84%	86%	B,s1,d0	ND
Transparent PMMA double dome <i>Transp. upper dome + + transp. lower dome</i>	2.8	2.5	84%	ND	E	ND
Opal PMMA double dome <i>Opal upper dome + transp. lower dome</i>	2.8	2.5	78%	ND	E	ND
Solid PC double dome, 1200 joules <i>Opal solid PC upper dome + transp. solid PC lower dome</i>	2.8	2.5	66%	ND	B,s2,d0	ND
Double dome, 1200 joules <i>Opal PMMA upper dome + transp. solid PC lower dome</i>	2.8	2.5	ND	ND	E	ND
S.PC Opal 4-wall S.PC 10	2.7	2.5	57%	60%	B,s1,d0	R _w =17 dB

For information: PC = Polycarbonate, PMMA = Polymethyl Methacrylate

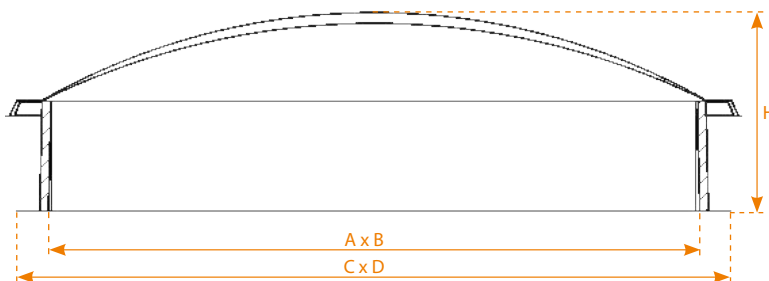
⁽¹⁾ Relative to the horizontal, according to §2.31 of the Th-Bat. rules.

⁽²⁾ Regular light transmission factor TL D65 and total solar transmission factor FS (TST or g) according to EN 410.

⁽³⁾ Glazing insulation to airborne noise R_w, pink noise R_A (neighbourhood, airport and industrial activities) and road noise R_{A,Tr} measured in the laboratory according to NF EN ISO 140.

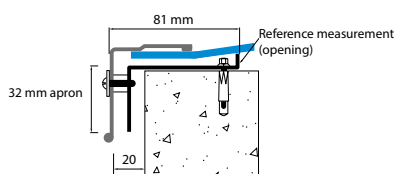
TECHNICAL DIAGRAMS

SKYDÔME® round

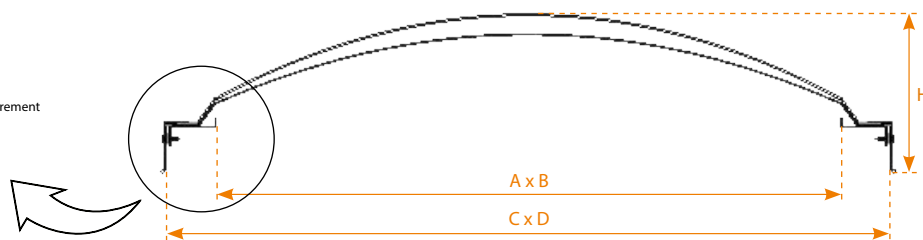
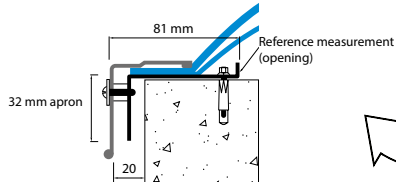


SKYDÔME® SC

S.PC glazing



PMMA double dome glazing



A CLOSER LOOK AT ...

THE SKYDÔME® SC (WITHOUT KERB) FOR RENOVATION AND CONFORMITY

The SKYDÔME® WITHOUT KERB is used to adapt to all types of kerbs to replace the glazing of an existing device. It is therefore used to bring devices into compliance or change the original function **whilst keeping the existing kerb**.

CONFORMITY AND IMPLEMENTATION

Compliant with European standard **NF EN 1873**.

Fastening and sealing must comply with the requirements set out in French legislation (DTU) series 40 and 43 currently in force.

Maximum insulation height: the minimum height of the waterproofing upstand to comply with according to French legislation (DTU) is 150 mm.

The waterproofing complex (substrate, vapour barrier, insulation and two-layer sealing) cannot be more than 140 mm for an inner kerb height of 310 mm or more than 240 mm for an inner kerb height of 410 mm.

Maximum authorised slope: 25° or 46% (see installation instructions).

The grid or safety bar option is recommended for devices with PMMA glazing.

Declaration of Performance available at www.skydome.eu



· DAYLIGHTING

SUBSTRATE:

Watertight roof/
Existing kerb

SKYDÔME® ROUND/WITHOUT KERB



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 **SKYDÔME®**

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Ref: 2018.10.SKYDÔME ROND/SCORIGIN - 10/2018 - Document is not contractual, photos are not contractual.
Photo credit: Fotolia, JF Chapuis, X. The manufacturer reserves the right to change the characteristics
of its devices at any time and with no prior notice - SKYDÔME: +33 (0)3 23 21 79 90